

TRANSMISSION ELECTRON MICROSCOPE
EQUIPPED WITH ENERGY FILTER

ABSTRACT OF THE DISCLOSURE

A transmission electron microscope (TEM) equipped with an energy filter which functions, the microscope being characterized in that rotation of the created image or diffraction pattern is prevented. The microscope has 6 lens systems, i.e., objective lens system, four intermediate lens systems, and projector lens system. If the mode of operation is varied, the total sum of the products of the numbers of turns of wire on the coils of the lenses of the various lens systems including the objective lens system, the four intermediate lens systems, and the projector lens system, and their respective excitation currents is kept constant.